

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y101223S.M
 Title : SW846 8260
 Last Update : Fri Oct 13 13:13:02 2023
 Response Via : Initial Calibration

Calibration Files

5 =VY015939.D 10 =VY015940.D 20 =VY015941.D 50 =VY015942.D 100 =VY015943.D 150 =VY015944.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.364	0.413	0.391	0.440	0.465	0.437	0.418	8.75
3) P	Chloromethane	0.992	0.843	0.759	0.616	0.676	0.583	0.745	20.64
4) C	Vinyl Chloride	0.484	0.545	0.505	0.549	0.580	0.548	0.535	6.47#
5) T	Bromomethane	0.269	0.309	0.236	0.329	0.345	0.327	0.303	13.78
6) T	Chloroethane	0.356	0.398	0.334	0.372	0.339	0.277	0.346	11.90
7) T	Trichlorofluor...	0.810	0.896	0.893	0.928	0.982	0.937	0.908	6.38
8) T	Diethyl Ether	0.329	0.350	0.345	0.352	0.334	0.326	0.339	3.33
9) T	1,1,2-Trichlor...	0.465	0.531	0.520	0.515	0.542	0.524	0.516	5.23
10) T	Methyl Iodide	0.489	0.585	0.542	0.648	0.630	0.667	0.594	11.53
11) T	Tert butyl alc...	0.726	0.499	0.332	0.241	0.068	0.119	0.331	74.75
12) CM	1,1-Dichloroet...	0.433	0.495	0.483	0.494	0.511	0.500	0.486	5.72#
13) T	Acrolein	0.102	0.100	0.120	0.119	0.105	0.101	0.108	8.84
14) T	Allyl chloride	0.716	0.772	0.800	0.814	0.800	0.812	0.786	4.73
15) T	Acrylonitrile	0.312	0.274	0.329	0.312	0.294	0.273	0.299	7.61
16) T	Acetone	0.341	0.285	0.357	0.395	0.276	0.335	0.331	13.50
17) T	Carbon Disulfide	1.299	1.484	1.434	1.508	1.630	1.563	1.486	7.67
18) T	Methyl Acetate	1.209	1.101	1.287	1.183	1.103	1.016	1.150	8.35
19) T	Methyl tert-bu...	1.493	1.602	1.612	1.703	1.730	1.642	1.630	5.17
20) T	Methylene Chlo...	1.084	0.895	0.680	0.629	0.616	0.595	0.750	26.29
21) T	trans-1,2-Dich...	0.516	0.573	0.561	0.573	0.613	0.575	0.568	5.46
22) T	Diisopropyl ether	1.466	1.682	1.650	1.674	1.702	1.615	1.632	5.29
23) T	Vinyl Acetate	0.984	1.072	1.088	1.157	1.085	1.055	1.073	5.21
24) P	1,1-Dichloroet...	0.868	0.984	0.966	0.975	1.040	0.991	0.971	5.82
25) T	2-Butanone	0.481	0.410	0.525	0.500	0.533	0.446	0.482	9.84
26) T	2,2-Dichloropr...	0.839	0.844	0.746	0.804	0.777	0.827	0.806	4.78
27) T	cis-1,2-Dichlo...	0.561	0.629	0.640	0.653	0.688	0.663	0.639	6.80
28) T	Bromochloromet...	0.412	0.470	0.453	0.439	0.417	0.409	0.433	5.76
29) T	Tetrahydrofuran	0.348	0.306	0.377	0.343	0.337	0.273	0.331	11.00
30) C	Chloroform	0.900	1.038	1.004	1.024	1.061	1.020	1.008	5.59#
31) T	Cyclohexane	0.939	0.961	0.885	0.877	0.920	0.868	0.908	4.11
32) T	1,1,1-Trichlor...	0.810	0.897	0.883	0.900	0.964	0.923	0.896	5.68
33) S	1,2-Dichloroet...	0.509	0.587	0.579	0.591	0.594	0.563	0.571	5.59
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.275	0.316	0.325	0.328	0.329	0.316	0.315	6.42
36) T	1,1-Dichloropr...	0.412	0.488	0.469	0.479	0.514	0.487	0.475	7.19
37) T	Ethyl Acetate	0.688	0.626	0.657	0.762	1.059	0.605	0.733	23.06
38) T	Carbon Tetrach...	0.433	0.511	0.504	0.500	0.541	0.513	0.500	7.19
39) T	Methylcyclohexane	0.530	0.606	0.605	0.612	0.666	0.637	0.609	7.48
40) TM	Benzene	1.235	1.386	1.379	1.384	1.466	1.396	1.374	5.50
41) T	Methacrylonitrile	0.245	0.249	0.300	0.244	0.209	0.203	0.242	14.34
42) TM	1,2-Dichloroet...	0.408	0.448	0.451	0.444	0.452	0.442	0.441	3.77
43) T	Isopropyl Acetate	0.742	0.735	0.791	0.822	0.847	0.787	0.787	5.56
44) TM	Trichloroethene	0.382	0.416	0.426	0.414	0.477	0.426	0.423	7.33
45) C	1,2-Dichloropr...	0.308	0.360	0.354	0.352	0.372	0.358	0.351	6.23#
46) T	Dibromomethane	0.231	0.244	0.248	0.257	0.255	0.244	0.246	3.78
47) T	Bromodichlorom...	0.449	0.496	0.488	0.506	0.530	0.517	0.498	5.61
48) T	Methyl methacr...	0.319	0.333	0.365	0.368	0.354	0.347	0.348	5.44
49) T	1,4-Dioxane	0.008	0.007	0.008	0.007	0.005	0.008	0.007	17.31
50) S	Toluene-d8	0.998	1.180	1.241	1.216	1.256	1.184	1.179	7.95
51) T	4-Methyl-2-Pen...	0.583	0.532	0.603	0.609	0.576	0.578	0.580	4.69
52) CM	Toluene	0.773	0.891	0.896	0.887	0.932	0.893	0.879	6.16#
53) T	t-1,3-Dichloro...	0.494	0.556	0.545	0.577	0.580	0.597	0.558	6.56
54) T	cis-1,3-Dichlo...	0.521	0.602	0.590	0.618	0.632	0.636	0.600	7.08
55) T	1,1,2-Trichlor...	0.335	0.365	0.345	0.350	0.351	0.359	0.351	2.94
56) T	Ethyl methacry...	0.469	0.529	0.565	0.575	0.567	0.591	0.549	8.08

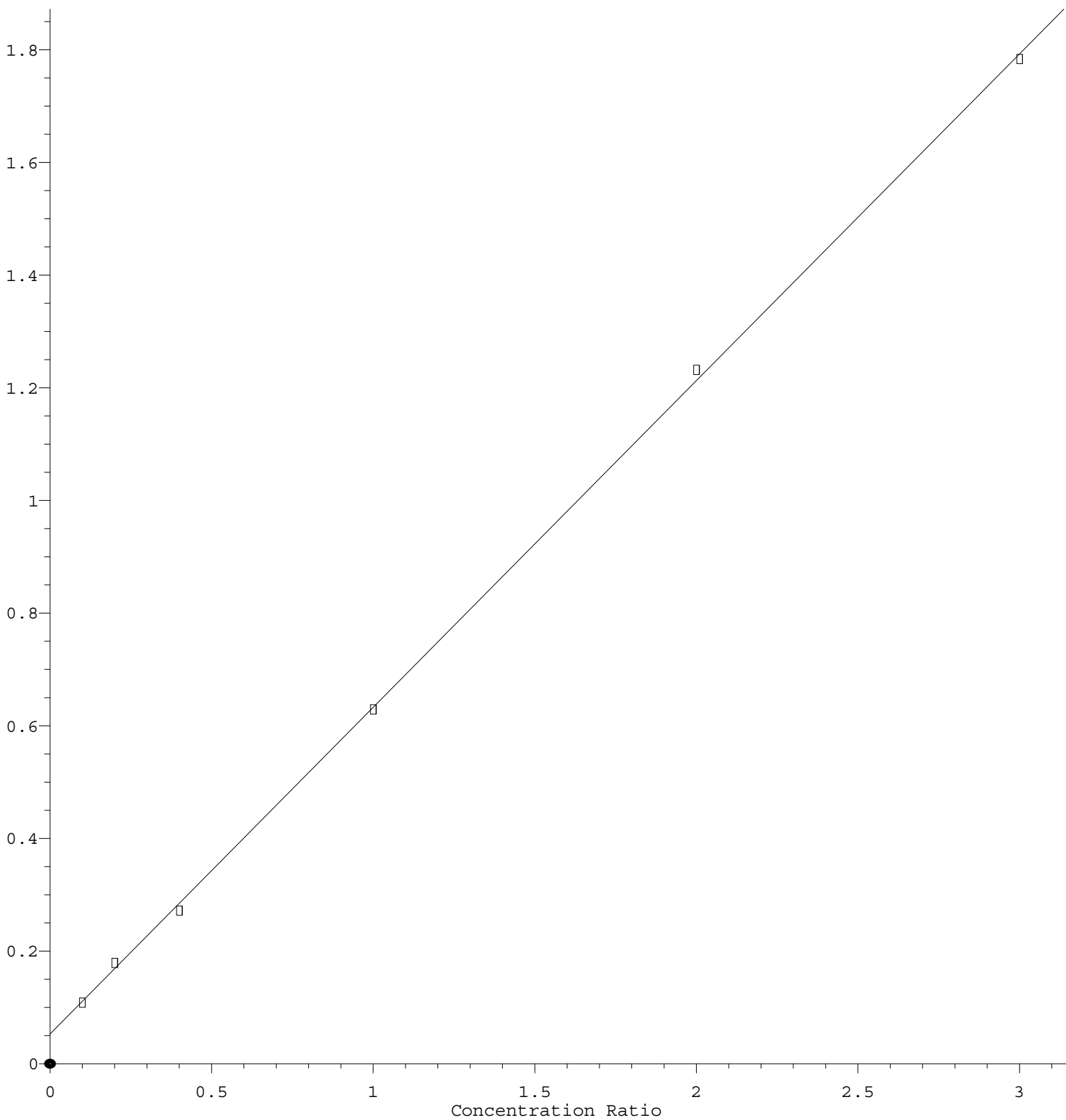
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y101223S.M

57)	T	1,3-Dichloropr...	0.547	0.609	0.605	0.600	0.602	0.608	0.595	4.02
58)	T	2-Chloroethyl ...	0.269	0.273	0.288	0.197	0.206	0.213	0.241	16.43
59)	T	2-Hexanone	0.482	0.474	0.560	0.511	0.465	0.479	0.495	7.14
60)	T	Dibromochlorom...	0.350	0.392	0.408	0.411	0.411	0.422	0.399	6.43
61)	T	1,2-Dibromoethane	0.352	0.380	0.390	0.384	0.384	0.389	0.380	3.66
62)	S	4-Bromofluorob...	0.372	0.427	0.437	0.432	0.434	0.416	0.420	5.81
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.396	0.401	0.441	0.417	0.531	0.430	0.436	11.34
65)	PM	Chlorobenzene	0.948	1.058	1.046	1.059	1.103	1.072	1.048	5.04
66)	T	1,1,1,2-Tetrac...	0.344	0.381	0.387	0.390	0.418	0.406	0.388	6.60
67)	C	Ethyl Benzene	1.599	1.816	1.825	1.869	1.980	1.902	1.832	7.01#
68)	T	m/p-Xylenes	0.600	0.711	0.714	0.723	0.761	0.733	0.707	7.84
69)	T	o-Xylene	0.572	0.667	0.686	0.694	0.728	0.707	0.676	8.12
70)	T	Styrene	0.958	1.150	1.170	1.188	1.237	1.198	1.150	8.57
71)	P	Bromoform	0.291	0.326	0.334	0.341	0.345	0.345	0.330	6.22
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.021	3.542	3.566	3.588	3.788	3.732	3.540	7.69
74)	T	N-amyl acetate	1.223	1.379	1.494	1.507	1.448	1.528	1.430	7.98
75)	P	1,1,2,2-Tetrac...	1.048	1.101	1.121	1.115	0.987	1.151	1.087	5.49
76)	T	1,2,3-Trichlor...	0.959	1.003	1.087	0.879	0.969	0.974	0.979	6.90
77)	T	Bromobenzene	0.807	0.882	0.880	0.899	0.920	0.943	0.889	5.21
78)	T	n-propylbenzene	3.690	4.387	4.317	4.380	4.575	4.477	4.304	7.29
79)	T	2-Chlorotoluene	2.129	2.447	2.438	2.462	2.565	2.567	2.435	6.58
80)	T	1,3,5-Trimethy...	2.477	2.927	2.954	3.009	3.188	3.089	2.941	8.38
81)	T	trans-1,4-Dich...	0.354	0.393	0.424	0.438	0.418	0.465	0.415	9.18
82)	T	4-Chlorotoluene	2.175	2.533	2.507	2.524	2.631	2.642	2.502	6.81
83)	T	tert-Butylbenzene	2.122	2.647	2.616	2.662	2.774	2.684	2.584	9.00
84)	T	1,2,4-Trimethy...	2.495	2.985	2.964	3.009	3.158	3.100	2.952	7.98
85)	T	sec-Butylbenzene	3.272	3.882	3.885	3.916	4.114	3.940	3.835	7.53
86)	T	p-Isopropyltol...	2.693	3.225	3.214	3.294	3.468	3.334	3.205	8.34
87)	T	1,3-Dichlorobe...	1.526	1.727	1.707	1.708	1.791	1.779	1.706	5.58
88)	T	1,4-Dichlorobe...	1.555	1.761	1.724	1.736	1.795	1.767	1.723	4.99
89)	T	n-Butylbenzene	2.564	3.050	3.016	3.076	3.274	3.100	3.014	7.89
90)	T	Hexachloroethane	0.540	0.620	0.597	0.614	0.657	0.657	0.614	7.11
91)	T	1,2-Dichlorobe...	1.463	1.613	1.595	1.619	1.662	1.653	1.601	4.51
92)	T	1,2-Dibromo-3-...	0.304	0.284	0.331	0.307	0.325	0.316	0.311	5.39
93)	T	1,2,4-Trichlor...	0.909	1.018	1.039	1.069	1.138	1.140	1.052	8.20
94)	T	Hexachlorobuta...	0.466	0.531	0.535	0.537	0.584	0.553	0.534	7.27
95)	T	Naphthalene	2.914	3.155	3.433	3.503	3.742	3.737	3.414	9.60
96)	T	1,2,3-Trichlor...	0.899	0.985	0.998	1.010	1.073	1.088	1.009	6.73

(#) = Out of Range

Methylene Chloride

Response Ratio



$$\text{Response} = 5.803\text{e-}001 * \text{Amt} + 5.257\text{e-}002$$

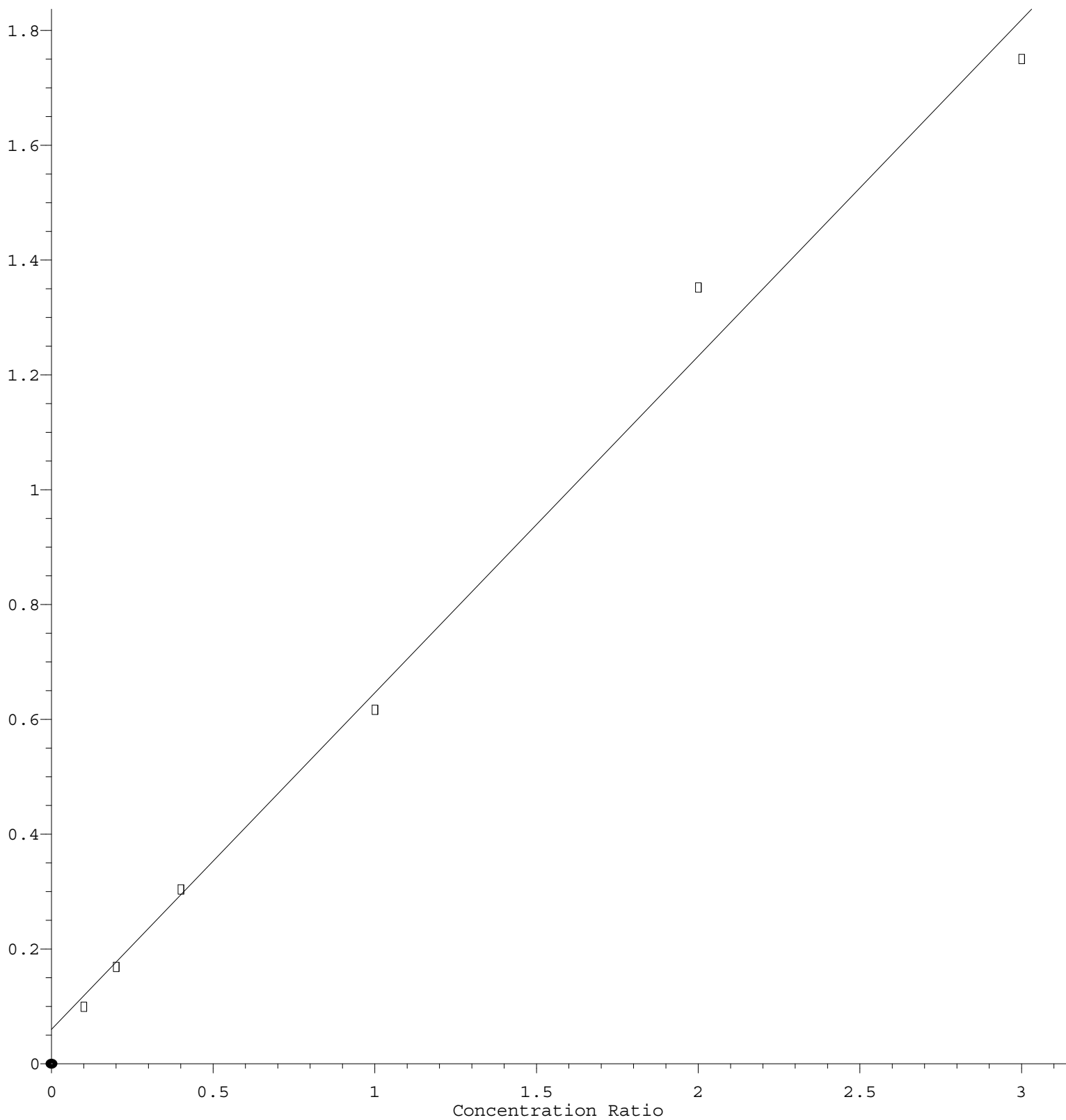
Coef of Det (r^2) = 0.999678 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y101223S.M

Calibration Table Last Updated: Fri Oct 13 13:13:02 2023

Chloromethane

Response Ratio



$$\text{Response} = 5.864\text{e-}001 * \text{Amt} + 6.024\text{e-}002$$

Coef of Det (r^2) = 0.991245 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y101223S.M

Calibration Table Last Updated: Fri Oct 13 13:13:02 2023